10/589.261

=> fil reg

FILE 'REGISTRY' ENTERED AT 16:22:31 ON 27 NOV 2007

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STRUCTURE FILE UPDATES: 26 NOV 2007 HIGHEST RN 955995-34-3 DICTIONARY FILE UPDATES: 26 NOV 2007 HIGHEST RN 955995-34-3

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TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

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## http://www.cas.org/support/stngen/stndoc/properties.html

=> d que stat 119 L17 ST

VAR G1=16/17/19

OH @15 NH2 @16

VPA 15-9/10 U
NODE ATTRIBUTES:
CONNECT IS E2 RC AT 12
CONNECT IS E1 RC AT 18
CONNECT IS E1 RC AT 20
DEFAULT MLEVEL IS ATOM
GGCAT IS SAT AT 18
GGCAT IS SAT AT 20
DEFAULT ECLEVEL IS LIMITED
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES: RSPEC I NUMBER OF NODES IS 20

STEREO ATTRIBUTES: NONE L19 45 SEA FILE=REGISTRY SSS FUL L17

100.0% PROCESSED 37921 ITERATIONS SEARCH TIME: 00.00.01 45 ANSWERS

10/589,261

## => d his nofile (FILE 'HOME' ENTERED AT 15:43:48 ON 27 NOV 2007) FILE 'HCAPLUS' ENTERED AT 15:43:57 ON 27 NOV 2007 1 SEA ABB=ON PLU=ON US2007157846/PN SEL RN FILE 'REGISTRY' ENTERED AT 15:44:29 ON 27 NOV 2007 13 SEA ABB=ON PLU=ON (214417-91-1/BI OR 25014-41-9/BI OR 25067-34-9/BI OR 5341-58-2/BI OR 7439-89-6/BI OR 7440-50-8/BI OR 7440-66-6/BI OR 79-10-7/BI OR 79-41-4/BI OR 9002-86-2/BI OR 9002-88-4/BI OR 9003-20-7/BI OR 9003-53-6/BT) D SCA L3 1 SEA ABB=ON PLU=ON L2 AND C11 H10 N2 O2/MF D SCA T. 4 1 SEA ABB=ON PLU=ON L2 AND C17 H20 N2 O2/MF D SCA FILE 'HCAPLUS' ENTERED AT 15:50:00 ON 27 NOV 2007 110 SEA ABB=ON PLU=ON L3 L5 27 SEA ABB=ON PLU=ON L4 L6 FILE 'STNGUIDE' ENTERED AT 15:51:14 ON 27 NOV 2007 L7 OUE ABB=ON PLU=ON ANTIRUST? OR RUSTPROOF? OR (INHIBIT? OR PREVENT? OR PROHIBIT? OR ANTI) (A) (WEAR? OR CORRO? OR OXID? OR RUST?) 1 SEA ABB=ON PLU=ON (L5 OR L6) AND L7 L8 1.9 QUE ABB=ON PLU=ON MIX? OR BLEND? OR ADMIX? OR COMMIX? OR IMMIX? OR INTERMIX? OR COMPOSIT? OR FORMULAT? OR COMBINAT? 54 SEA ABB=ON PLU=ON (L5 OR L6) AND L9 FILE 'LREGISTRY' ENTERED AT 16:03:44 ON 27 NOV 2007 L11 STR L12 STR FILE 'REGISTRY' ENTERED AT 16:07:32 ON 27 NOV 2007 T.13 0 SEA SSS SAM L11 L14 STR 214417-91-1 L15 STR L11 L16 50 SEA SSS SAM L15 FILE 'LREGISTRY' ENTERED AT 16:10:14 ON 27 NOV 2007 L17 STR L15 FILE 'REGISTRY' ENTERED AT 16:14:58 ON 27 NOV 2007 T.18 3 SEA SSS SAM L17 L19 45 SEA SSS FUL L17 2 SEA ABB=ON PLU=ON L2 AND L19 L20 SAV L19 GRE261/A FILE 'HCAPLUS' ENTERED AT 16:15:50 ON 27 NOV 2007

153 SEA ABB=ON PLU=ON L19

2 SEA ABB=ON PLU=ON L21 AND L7

L21

L22

=> fil hcap

FILE 'HCAPLUS' ENTERED AT 16:22:43 ON 27 NOV 2007

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=> d 13 ide

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=> fil req

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DICTIONARY FILE UPDATES: 26 NOV 2007 HIGHEST RN 955995-34-3

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http://www.cas.org/support/stngen/stndoc/properties.html

=> d ide 13

L3 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN

RN 5341-58-2 REGISTRY

10/589,261

- ED Entered STN: 16 Nov 1984
- CN 2-Naphthalenecarboxylic acid, 3-hydroxy-, hydrazide (CA INDEX NAME) OTHER CA INDEX NAMES:
- CN 2-Naphthoic acid, 3-hydroxy-, hydrazide (6CI, 7CI, 8CI)
- OTHER NAMES:
- 2-Hydroxy-3-naphthoic acid hydrazide
- CN
- CN 2-Hydroxy-3-naphthoylhydrazine
- CN 3-Hydroxy-2-naphthoic acid hydrazide
- CN 3-Hvdroxy-2-naphthoylhydrazine
- CN 3-Hydroxy-naphthalene-2-carboxylic acid hydrazide
- CN NSC 2117
- NSC 49198 CN
- MF C11 H10 N2 O2
- CT
- LC.
- STN Files: BEILSTEIN\*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMLIST, CSCHEM, IFICDB, IFIPAT, IFIUDB, MEDLINE, SPECINFO, TOXCENTER, USPAT2, USPATFULL, USPATOLD
  - (\*File contains numerically searchable property data)
  - Other Sources: EINECS\*\*, NDSL\*\*, TSCA\*\*
- (\*\*Enter CHEMLIST File for up-to-date regulatory information)

- \*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*
  - 110 REFERENCES IN FILE CA (1907 TO DATE)
    - 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
    - 110 REFERENCES IN FILE CAPLUS (1907 TO DATE) 9 REFERENCES IN FILE CAOLD (PRIOR TO 1967)
- => d ide 14
- ANSWER 1 OF 1 REGISTRY COPYRIGHT 2007 ACS on STN
- RN 214417-91-1 REGISTRY
- Entered STN: 18 Nov 1998
- 2-Naphthalenecarboxylic acid, 3-hydroxy-, (1,3-
- dimethylbutylidene)hydrazide (9CI) (CA INDEX NAME)
- OTHER NAMES:
- CN BMH
- CN BMH (hydrazide)
- MF C17 H20 N2 O2
- SR
- LC. STN Files: CA, CAPLUS, CHEMCATS, CHEMLIST, USPAT2, USPATFULL

10/589.261 5

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

27 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

27 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> fil hcap

FILE 'HCAPLUS' ENTERED AT 16:23:06 ON 27 NOV 2007 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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=> d 122 ibib abs hitstr hitind 1-2

L22 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2007 ACS on STN ACCESSION NUMBER: 2005:903042 HCAPLUS Full-text

DOCUMENT NUMBER: 143:233682

TITLE: Corrosion inhibitor

INVENTOR(S): Sonogi, Ken; Nabeshima, Akihiro PATENT ASSIGNEE(S): Otsuka Chemical Co., Ltd., Japan

SOURCE: PCT Int. Appl., 19 pp.

CODEN: PIXXD2
DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATEN	KIN	-	DATE			APPLICATION NO.						DATE						
WO 20	A1 20050825					WO 2												
																200502		
											16							
W	: AI	Ξ,	AG,	AL,	AM,	ΑT,	AU,	AZ,	BA,	BB,	BG,	BR,	BW,	BY,	BZ,	CA,		
	CE	Ι,	CN,	CO,	CR,	CU,	CZ,	DE,	DK,	DM,	DZ,	EC,	EE,	EG,	ES,	FI,		
	GE	3,	GD,	GE,	GH,	GM,	HR,	HU,	ID,	IL,	IN,	IS,	JP,	KE,	KG,	KP,		
	K	٦,	KZ,	LC,	LK,	LR,	LS,	LT,	LU,	LV,	MA,	MD,	MG,	MK,	MN,	MW,		
	M	ζ,	MZ,	NA,	NI,	NO,	NZ,	OM,	PG,	PH,	PL,	PT,	RO,	RU,	SC,	SD,		

10/589.261 6

							-										
				SG, VN,					TM,	TN,	TR,	TT,	TZ,	UA,	UG,	US,	UZ,
		DW.							147	NIA	en	SL,	07	T7	IIC	7M	77 141
		rw.										AT,					
												IE,					
												BJ,					
				GQ,								Do,	CI,	co,	CI,	CII,	OI1,
	THE	2794										005-	9/10	1280			
	IN 2/0144						B 20070411 TW 2005-94104280								200502		
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	EP 1717350							2006	1102		EP 2	005-		-	~		
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	IN 2006DN04600					A	2007	0824	IN 2006-DN4600								
211 200021101000													2	00608			
																	9
	US	2007	1578	46		A1		2007	0712		US 2	006-	5892	61			
																2	00608
																1	5
PRIORITY APPLN. INFO.:											JP 2	004-	3778	2		A	
																2	00402
																1	6
											WO 2	005-	JP28:	23		W	
																2	00502
																1	6

AB A corresion inhibitor contains

3-hydroxy-2-naphthoic acid hydrazide and/or 3-hydroxy-2-naphthoic acid (1,3-dimethylbutylidene)hydrazide and salts thereof as an active constituent. Also disclosed are a corrosion inhibition method and a corrosion

inhibition resin composition using such a corrosion inhibitor. The corrosion inhibitor, method, and resin composition are suitable for protecting Fe, Cu, and Zn from corrosion.

- IT 5341-56-2, 3-Hydroxy-2-naphthoic acid hydrazide 214417-91-1
  - RL: NUU (Other use, unclassified); USES (Uses) (corrosion inhibitor)
- RN 5341-58-2 HCAPLUS
- CN 2-Naphthalenecarboxylic acid, 3-hydroxy-, hydrazide (CA INDEX NAME)

RN 214417-91-1 HCAPLUS

CN 2-Naphthalenecarboxylic acid, 3-hydroxy-, (1,3dimethylbutylidene)hydrazide (9CI) (CA INDEX NAME)

ICM C23F011-00

ICS B32B015-08; C07C243-38; C07C251-76; C09D005-08; C09D201-00

CC 56-10 (Nonferrous Metals and Alloys)

ST corresion inhibitor copper iron zinc

ΙT Epoxy resins, uses

Polvamides, uses Polycarbonates, uses

Polvesters, uses Polyolefins

Polvurethanes, uses

RL: NUU (Other use, unclassified); USES (Uses)

(corresion inhibitor composition)

Polyketones

RL: NUU (Other use, unclassified); USES (Uses) (polyether-; corrosion inhibitor composition)

Polyethers, uses

RL: NUU (Other use, unclassified); USES (Uses) (polyketone-; corrosion inhibitor composition)

5341-58-2, 3-Hydroxy-2-naphthoic acid hydrazide 214417-91-1

RL: NUU (Other use, unclassified); USES (Uses) (corresion inhibitor)

7439-89-6, Iron, uses 7440-50-8, Copper, uses 7440-66-6, Zinc. uses

RL: TEM (Technical or engineered material use); USES (Uses) (correctos inhibitor)

79-10-7D, Acrylic acid, esters, polymers 79-41-4D, Methacrylic acid, esters, polymers 9002-86-2, S1001 9002-88-4, Sumikathene 9003-20-7, Polyvinyl acetate 9003-53-6, Polystyrene 25014-41-9, Polyacrylonitrile 25067-34-9, EP-F101

RL: NUU (Other use, unclassified); USES (Uses)

(corresion inhibitor composition) REFERENCE COUNT:

5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L22 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2007 ACS on STN ACCESSION NUMBER: 1962:38008 HCAPLUS Full-text

DOCUMENT NUMBER: 56:38008

ORIGINAL REFERENCE NO.: 56:7100g-i,7101a-e

TITLE: Inhibitory effect of various hydrazides on monoamine oxidase in vitro and in vivo AUTHOR(S): Szmuszkovicz, Jacob; Greig, Margaret E.

CORPORATE SOURCE: Upjohn Co., Kalamazoo, MI

SOURCE: Journal of Medicinal & Pharmaceutical Chemistry

(1961), 4, 259-96

CODEN: JMPCAS; ISSN: 0095-9065

DOCUMENT TYPE: Journal

LANGUAGE: Unavailable

A series of aliphatic and aromatic hydrazides was prepared and tested as monoamine oxidase ichibitors. In vitro tests were done using the Bhaqvat method in the Warburg apparatus The in vivo studies were done on several compds. by using oral activity in rats. Hydrazine hydrate (15 g.) in 25 ml.

EtOH was added to 75 g. diethyl oxalate in 25 ml. EtOH while holding the temperature at -15 to  $-25^{\circ}$ , the suspension stirred at this temperature 10 min., allowed to warm to room temperature, stirred 1.25 hrs., filtered, the filtrate evaporated in vacuo at 30-5°, 75 ml. H2O added, the solution extracted twice with Et20, the aqueous solution evaporated at 35° to remove Et20, 44 ml. Me2CO added, allowed to stand 1 hr., evaporated in vacuo overnight at 25-30°, the solution freeze-dried, 250 ml. Me2CO added, and the solution refluxed 2 hrs., and evaporated at 30° to give 37.7 g. of the isopropylidene derivative (I), m. 45-54°. I (37 g.) in 200 ml. EtOH was hydrogenated under 52 lb. H in the presence of 1 g. PtO2. After 2/3 of the theoretical amount of H was absorbed 1 q. of catalyst was added and hydrogenation completed. The solution was evaporated to dryness at 40°, the residue dissolved in 50 ml. EtOH, added over 10 min. to 12.7 g. hydrazine hydrate in 100 ml. EtOH, the suspension stirred 1 hr., filtered, the solid washed with EtOH, refluxed with 2250 ml. EtOH, filtered, and allowed to crystallize to give 17.5 g. oxalic acid hydrazide 2-isopropylhydrazide, m. 178-81.5°. Oxalic acid hydrazide phenethylhydrazide, m. 153°, oxalic acid hydrazide 2-(abenzyl)ethylhydrazide, m. 113-14°, oxalic acid bis(2ethylhydrazide), m. 202.5-4.0°, oxalic acid bis(2-propylhydrazide), m. 193.5-4.5°, oxalic acid bis(2-isopropylhydrazide), m. 191.5-2.5°, oxalic acid 2ethylhydrazide 2-isopropylhydrazide, m. 173-4°, oxalic acid bis(2-nbutylhydrazide), m. 157-8°, oxalic acid bis(2-isobutylhydrazide), m. 165-6°, oxalic acid bis[2-(1-methylpropyl)hydrazide], m. 135-6.5°, oxalic acid bis[2-(1-ethylpropyl)hydrazide], m. 118.5-19.5°, oxalic acid bis(2-benzylhydrazide), m. 165-7°, oxalic acid bis(phenethylhydrazide), m. 163-4°, oxalic acid bis(amethylphenethylhydrazide), m. 159-60°, oxalic acid 2-isopropylhydrazide 2-(a-methylphenethyl)hydrazide, m. 150- 3°, oxalic acid bis[2-(1cyclopropylethyl)hydrazide], isomer I, m. 191-2°, isomer II, m. 163-4°, oxalic acid bis(2-cyclopentylhydrazide), m. 212-14°, oxalic acid 2-isopropylhydrazide  $2-(\alpha-hydroxymethyl-\beta-hydroxyethyl)hydrazide, m. 130-5°, oxalic acid bis[2-[2$ hydroxy-1-(hydroxymethyl)ethyl]hydrazide], m. 175.5-6.5°, oxalic acid bis[2acety1-2[2-acetoxy-1- (acetoxymethyl)ethyl]hydrazide], m. 187-8°; oxalic acid bis[2-(2-hydroxy-1-methylpropyl)]hydrazide, m. 153.5-5.0°, oxalic acid hydrazide 2-[2-(benzylcarbamoyl)- ethyl]hydrazide, m. 244-5°, oxalic acid bis[2-[2-(benzylcarbamoyl)ethyl]hydrazide ], m. 216.5-18.0°, were also prepared Acetic acid isopropylidenehydrazide (35.7 q.) in 300 ml. EtOH was hydrogenated at 50° in the presence of 1 q. PtO2. The solution was evaporated to dryness and crystallized from C6H6-petr, ether to give 24.5 g. acetic acid 2-isopropylhydrazide, m. 53.5-5.0°. Also prepared were isobutyric acid 2isopropylhydrazide, m. 69-70°, malonic acid bis(2-isopropylhydrazide), m. 127-9°, succinic acid bis(2-isopropylhydrazide), m. 158-9.5°, 2,2'diisopropylcarbohydrazide, m. 141-2°, salicylic acid 2-isopropylhydrazide, m. 113-14°, 3,4,5-trimethoxybenzoic acid 2-isopropylhydrazide, m. 146.5-8.0°, 3,4,5-trimethoxybenzoic acid 2-(1-hydroxymethyl-2- hydroxyethyl)benzhydrazide, m. 111-12.5°, 2-(1-hydroxymethylethyl)2-hydroxyisonicotinic acid hydrazide, m. 124-7°, 3-hydroxy-2-naphthoic acid 2-isopropylhydrazide, m. 146-7°, indole-3acetic acid 2-isopropylhydrazide, m. 130-1°.

IIT 72190-31-5P, 2-Maphthoic acid, 3-hydroxy-,
isopropylidenehydrazide 92255-70-4P, 2-Naphthoic acid,
3-hydroxy-, 2-isopropylhydrazide
RL: PREP (Preparation)
(preparation of)

RN 73190-31-5 HCAPLUS

CN 2-Naphthalenecarboxylic acid, 3-hydroxy-, 2-(1methylethylidene)hydrazide (CA INDEX NAME)

$$\bigcup_{C-NH-N=CMe}^{O} CMe$$

RN 92255-70-4 HCAPLUS

CN 2-Naphthalenecarboxylic acid, 3-hydroxy-, 2-(1-methylethyl)hydrazide (CA INDEX NAME)

CC 26 (General Organic Chemistry)

IT Hydrazides

(amine ozidase inhibition by)

3840-68-4P, Oxalic acid, bis(isopropylidenehydrazide) 5448-47-5P, Indole-3-acetic acid, hydrazide 6232-97-9P, Isobutyric acid, 2-isopropylhydrazide 7034-09-5P, Isonicotinic acid, [2-hydroxy-1-(hydroxymethyl)ethylidene]hydrazide Isonicotinic acid, 2-[2-hydroxy-1-(hydroxymethyl)ethyl]hydrazide 13304-62-6P, Acrylamide, N-benzyl- 15316-21-9P, Indole-3-acetic 15317-49-4P, Indole-3-acetic acid, acid, isopropylidenehydrazide 2-isopropylhydrazide 15563-12-9P, Benzoic acid, 3,4,5-trimethoxy-, 18658-79-2P, Oxalic acid, 2-isopropylhydrazide bis(ethylidenehydrazide) 19411-38-2P, Oxalic acid, bis(sec-butylidenehydrazide) 21909-51-3P, Indole-3-acetic acid, 2-methyl-, hydrazide 26824-43-1P, Malonic acid, bis(2-isopropylhydrazide) 35532-19-5P, Oxalic acid, bis(2-ethylhydrazide) 35532-21-9P, Oxalic acid, bis[2-(2-hydroxy-1-methylpropyl)hydrazide] 35532-33-3P, Carbohydrazide, 1,5-diisopropyl- 63970-76-3P, Oxalic acid, methyl ester, hydrazide 73190-31-5F, 2-Naphthoic acid, 3-hydroxy-, isopropylidenehydrazide 83420-60-4P, Oxalic acid, bis(2-benzylhydrazide) 89620-31-5P, Oxalic acid, bis(cvclopentvlidenehvdrazide) 89620-45-1P, Oxalic acid, bis[(1-cyclopropylethylidene)hydrazide] 91346-66-6P, Cyclohexanecarboxylic acid, 2-hydroxy-, 2-isopropylhydrazide 91773-17-0P, Oxalic acid, 2-ethylhydrazide 2-isopropylhydrazide 91905-54-3P, Benzoic acid, 3,4,5-trimethoxy-, 2-[2-hydroxy-1-(hydroxymethyl)ethyl]hydrazide 92203-53-7P, Oxalic acid, bis(propylidenehydrazide) 92203-88-8P, Oxalic acid, ethylidenehydrazide 2-isopropylhydrazide 92223-99-9P, Oxalic acid, bis[[2-hydroxy-1-(hydroxymethyl)ethylidene]hydrazide] 92255-70-4P, 2-Naphthoic acid, 3-hydroxy-, 2-isopropylhydrazide 92351-54-7P, Oxalic acid, bis[2-[2-hydroxy-1-(hydroxymethyl)ethyl]hydrazide] 92351-56-9P, Oxalic acid, 2-[2-hydroxy-1-(hydroxymethyl)ethyl]hydrazide 2-isopropylhydrazide 92351-59-2P, Oxalic acid, bis(2-propylhydrazide) 92402-25-0P, Oxalic acid, bis(2-isopropylhydrazide) 93786-61-9P, Oxalic acid, bis(2-butylhydrazide) 93786-62-0P, Oxalic acid, bis(2-sec-butylhydrazide) 93786-63-1P, Oxalic acid,

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bis(2-isobutylhydrazide) 94072-96-5P, Oxalic acid,
bis(butylidenehydrazide) 94072-97-6P, Oxalic acid,
bis(isobutylidenehydrazide) 94215-72-2P, Succinic acid,
bis(2-isopropylhydrazide) 94628-97-4P, Oxalic acid,
bis[(1-methylacetonylidene)hydrazide] 94688-24-1P, Hydrazine,
1,2-bis(indol-3-ylglyoxyloyl) - 96130-96-0P, Oxalic acid,
2-[2-(benzylcarbamoyl)ethyl]hydrazide hydrazide 96417-86-6P,
Oxalic acid, bis(2-cyclopentylhydrazide) 96417-87-7P, Oxalic acid,
bis[2-(1-cyclopropylethyl)hydrazide] 96417-88-8P, Oxalic acid.
bis[(1-ethylpropylidene)hydrazide] 96591-42-3P, Benzoic acid,
3,4,5-trimethoxy-, [2-hydroxy-1-(hydroxymethyl)ethylidene]hydrazide
96874-51-0P, Oxalic acid, bis[2-(1-ethylpropyl)hydrazide]
97174-36-2P, Oxalic acid, 2-isopropylhydrazide 2-(α-
methylphenethyl)hydrazide 97281-74-8P, Oxalic acid,
2-isopropylhydrazide (α-methylphenethylidene)hydrazide
97491-38-8P, Oxalic acid, bis[[2-hydroxy-1-
(hydroxymethyl)ethylidenelhydrazidel, tetraacetate 97528-04-6P,
Oxalic acid, bis[[2-hydroxy-1-(hydroxymethyl)ethyl]hydrazide],
tetraacetate diperchlorate 98636-67-0P, Oxalic acid,
                           99904-64-0P, Oxalic acid,
bis(2-phenethylhydrazide)
bis[(a-methylphenethylidene)hydrazide] 99998-68-2P, Oxalic
acid, bis[2-(α-methylphenethyl)hydrazide] 101122-35-4P,
Oxalic acid, bis[2-acetyl-2-[2-hydroxy-1-
(hydroxymethyl)ethyl]hydrazide], tetraacetate 101502-01-6P, Oxalic
acid, bis[2-[2-(benzylcarbamovl)ethyl]hydrazide]
RL: PREP (Preparation)
  (preparation of)
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